

TITLE

BEARING SYSTEM WITH FLEXIBLE BEARING BRACKET

ABSTRACT OF THE DISCLOSURE

5 A bearing system comprising a bearing supported in a flexible
bearing bracket, for example for use in fractional horsepower shaded pole type
electric motors. The bearing system is self aligning, the bracket being able to
deflect to compensate for deviations in the radial alignment of the rotor shaft. A
rotation lock restrains the bearing against rotation within the bracket. In the
preferred embodiment the bracket is composed of an elastomer and the bearing is
10 composed of a high performance plastic polymer, so that the bearing system is
non-lubricating.